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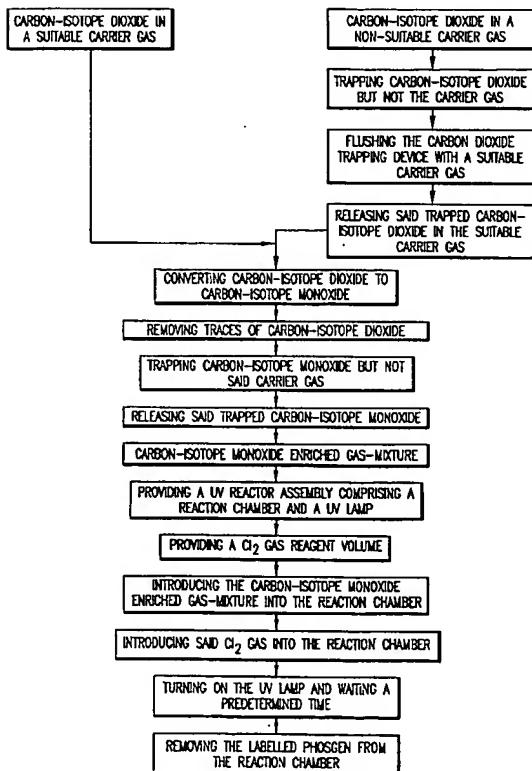
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(54) Title: METHOD AND APPARATUS FOR SYNTHESIS OF [11C] PHOSGEN USING CONCENTRATED [11C] CARBON MONOXIDE WITH UV LIGHT



(57) Abstract: Methods and systems for labeling synthesis of phosgen by UV light are provided. Methods of synthesizing labeled compounds useful as PET tracers from labeled phosgen are also provided. The resultant carbon-isotope labeled compounds are useful as radiopharmaceuticals, especially for use in Positron Emission Tomography. Associated kits for PET studies are also provided.

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